ELSEVIER

Journal of Molecular Liquids 63 (1995) 329

journal of MOLECULAR LIQUIDS

Contents of Volume 63, Nos. 1–2

Special Issue: Chemical Kinetics and Reactivity in Liquids

Preface ix
Femtosecond optical spectroscopy in liquids: applications to the study of reaction dynamics
Y. Gauduel (Palaiseau, France) 1
Kinetic processes in the liquid phase studied by high-frequency permittivity measurements
R. Buchner and J. Barthel (Regensburg, Germany) 55
Solvent fluctuations in electron transfer processes
V. Pérez, J.M. Lluch and J. Bertrán (Barcelona, Spain) 77
A path-integral MD study of a proton-transfer reaction along an OH-N bond in solution
H. Azzouz and D. Borgis (Paris, France) 89
The one-dimensional Lorentz gas — A model for geminate recombination reactions
A.J. Masters and Ch.P. Lowe (Manchester, England) 109
Bistable photochemical reactions
V. Pimienta, D. Lavabre, G. Levy, J.C. Micheau (Toulouse, France) and J.P. Laplante (Kingston, Canada) 121
Correlation-induced non-monotonic behavior of reversible chemical reactions
G. Oshanin, A. Mogutov, M. Moreau (Paris, France) and S.F. Burlatsky (Moscow, Russia) 175
Microscopic simulations in non-equilibrium chemical systems: long-range correlations
A. Amellal and M. Mareschal (Brussels, Belgium) 199

Contents of Volume 63, No. 3

A FIR study of the interaction induced spectra of liquid Br_2/Cl_4 mixtures
E. Zoidis, R. Thiede, and Th. Dorfmüller (Bielefeld, Germany) 215
Proton and deuterium NMR studies of the glass transition in a 10% water–maltose solution
B.P. Hills and K. Pardoe (Norwich, UK) 229
Dielectric properties of supercooled binary mixtures of water and *N,N*-dimethylacetamide: determination and modelling in terms of ideal associated solution
M. Ferriol (Villeurbanne, France), A. Siblini, and G. Noyel (Saint-Etiene, France) 239
Theoretical analysis of the far-infrared spectra of HCl in liquid Ar along the Ar liquid–vapour coexistence line
A. Medina, A. Calvo Hernández, J.M.M. Roco and S. Velasco (Salamanca, Spain) 251
Dielectric relaxations of some maleimide derivatives and their mixtures with methyl methaacrylate
K.N. Abd-El-Nour, S.L. Abd-El-Messieh (Cairo, Egypt) and M.Z. Elsabee (Safat, Kuwait).. 265
Determination of sound speeds in low absorbing liquids by laser photoacoustics
S. Sainathan and T.A. Prasada Rao (Madras, India) 283
Physico-chemical characterization of some surfactants in aqueous solution and their interaction with α-cyclodextrin
O. Ortona, L. Paduano, L. Costantino and V. Vitagliano (Napoli, Italy) 291
Is viscosity *B* coefficient characteristic for solute–solvent interaction?
T. Nakagawa (Kyoto, Japan) 303
Ultrasonic measurements of some 1:1 electrolytes in chlorobenzene + methanol mixtures
V.K. Syal, G. Lal, P. Bisht and S. Chauhan (Shimla, India) 317